

OMB No. 0651-0011 (12/31/86)

#4
Sheet 1 of 11U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

MISTY-52064

SERIAL NO.

09/358,280

INFORMATION DISCLOSURE CITATION

(Use Several Sheets if Necessary)

APPLICANT

STEVEN M. UTTER

FILING DATE

July 21, 1999

GROUP

3752

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
icw	876,453	01/1908	W.H. HEARD			
	3,107,069	10/1963	J.E. DRAIM			
	4,526,298	07/1985	BOXER ET AL.			
	638,207	11/1899	RICE	239	531	
	5,060,833	10/1991	EDISON ET AL.	222	x175	
icw	4,807,813	02/1989	COLEMAN	222	x175	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
icw	754,269	NOV. 3, 1993	FRANCE				
icw	387,374	15 MAY, 1965	SWITZERLAND				
icw	1,912,328	14 MAY, 1970	GERMANY				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	INTERNATIONAL SEARCH REPORT RE PCT/US95/12918, DATED 04/03/1996

EXAMINER

DATE CONSIDERED

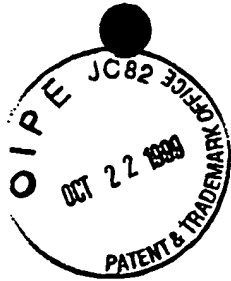
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153849.1

Form PTO-FB-A820

(also form PTO-1449)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
KW	5,150,819	09/1992	JOHNSON ET AL.	222	79	
	2,723,161	11/1955	COVINGTON	239	x322	
	3,342,379	09/1967	PEREDY	239	x323	
	2,513,455	07/1950	CORNELIUS	239	x323	
	5,141,462	08/1992	LATZEL	222	x79	
KW	3,993,245	11/1976	SMITH			

FOREIGN PATENT DOCUMENTS

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						YES	NO
KW	41,354	12/1929	DENMARK	4	616		
KW	63,752	3/1914	GERMANY	239	152		
KW	1,164,746	10/1958	FRANCE	239	154		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

Ken Wade

DATE CONSIDERED

2/17/2000

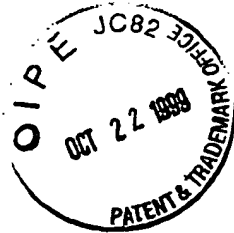
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U.S. PATENT DOCUMENTS

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KW	3,228,558	01/1966	J.C. DOYLE ET AL.			
	4,067,485	01/1978	SOIN			
	4,328,843	05/1982	FUJII			
	1,042,627	10/1912	W.U. WATSON			
	4,836,409	06/1989	LANE			
KW	3,539,110	11/1970	T. KOBAYASHI			

FOREIGN PATENT DOCUMENTS

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						YES	NO
KW	3,544,660	6/1987	GERMANY	236	332		
KW	675,036	9/1962	ITALY	239	323		
KW	2,165,341	3-8-1973	FRANCE				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

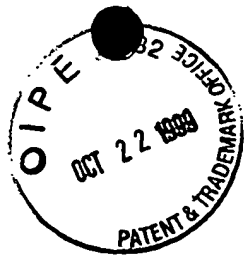
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
16W	3,190,562	06/1965	H.T. ATWOOD ET AL.			
	2,924,359	02/1960	D.G. BEREMAND			
	2,865,541	12/1958	H.F. HICKS			
	4,120,425	10/1978	BETHURUM			
	4,721,250	01/1988	KENNEDY ET AL.			
	4,867,344	09/1989	BITTERLY			

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

16W

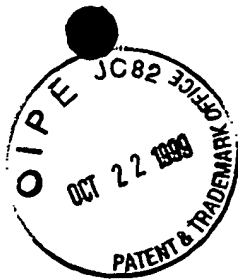
DATE CONSIDERED

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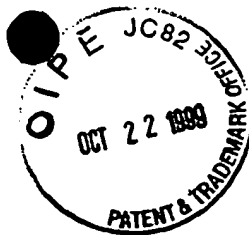
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INFORMATION DISCLOSURE CITATION (Use Several Sheets if Necessary)				APPLICANT STEVEN M. UTTER				
				FILING DATE July 21, 1999		GROUP 3752		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE	
165 1 1 1 1		2,083,039	06/1937	E.M. SEARLS	1	1		
		2,684,787	07/1954	E.B. CHARPIAT	1	1		
		5,478,015	12/1995	BLACK	239	x152		
		4,407,454	10/1983	MASSEY	1	1		
		5,154,324	10/1992	STRATFORD	1	1		
		5,158,212	10/1992	SIRHAN	1	1		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER <i>Ken W. W.</i>				DATE CONSIDERED <i>2/17/2000</i>				
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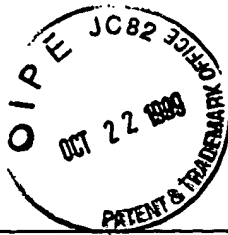


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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE	
<i>IC</i>		4,688,643	08/1987	CARTER ET AL.	—	—		
		3,524,475	08/1970	C.H. KIRK, JR.	—	—		
		4,048,994	09/1977	LO	—	—		
		5,069,363	12/1991	DAIMLER	—	—		
		1,731,767	10/1929	G.F. CRAMER	—	—		
<i>IC</i>		4,043,510	08/1977	MORRIS	—	—		
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER <i>IC Wdh</i>				DATE CONSIDERED <i>2/17/2000</i>				
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
125	3,116,856	01/1964	S.B. PRUSSIN ET AL.	1	1	
	3,018,970	01/1962	E.H. WITTENBERG ET AL.	1	1	
	3,450,163	06/1969	J.H. MERCIER ET AL.	1	1	
	3,184,113	05/1965	CURTIS	1	1	
	3,469,578	09/1969	H.R. BIERMAN	1	1	
12	4,875,508	10/1989	BURKE II ET AL.	1	1	

FOREIGN PATENT DOCUMENTS

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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

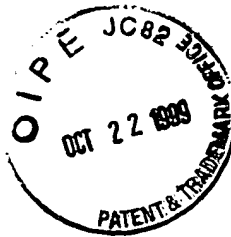
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Thom Wake

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE
100	3,421,697	01/1969	P.E. MARKS			
	4,651,903	03/1987	PAGLIAI			
	3,802,511	04/1974	GOOD, JR.			
	2,911,157	11/1959	S. CONVERSE			
	3,352,364	11/1967	C.J. DE COSTE			
100	5,104,016	04/1992	RUNKEL	222	x175	

FOREIGN PATENT DOCUMENTS

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						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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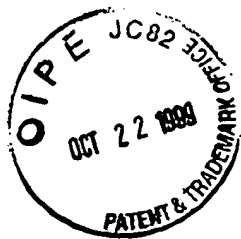
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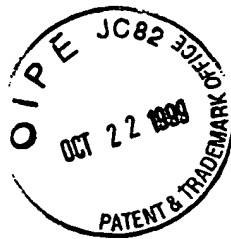
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U.S. PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPLICABLE	
<i>W</i>		4,458,830	07/1984	WERDING	<i>I</i>	<i>I</i>		
		1,382,397	06/1921	WHITEHOUSE				
		2,744,662	05/1956	A.P. SMITH ET AL.				
		3,174,658	03/1965	E.H. WITTENBERG ET AL.				
		2,735,589	02/1956	A.N. MILSTER				
<i>W</i>		803,661	11/1905	P. BRANDT				
FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
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EXAMINER <i>Ken Wolk</i>				DATE CONSIDERED <i>2/17/2000</i>				
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ACW	4,206,877	06/1980	HOZA, III			
	5,158,208	10/1992	WILSON			
	5,072,856	12/1991	KIMBLE			
	5,620,140	APR. 15, 1997	UTTER	239	153	
	5,535,951	JUL. 16, 1996	UTTER	239	322	
	5,622,056	APR. 22, 1997	UTTER	239	x322	

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scs	5,775,590	JUL. 7, 1998	UTTER			
	1,356,657	10/1920	PHISTER			
	5,221,026	6/1993	WILLIAMS			
	4,397,420	8/1983	JACOBS			
la	2,238,093	4/1941	BRANDT			

FOREIGN PATENT DOCUMENTS

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					YES	NO

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